

SECTION 24

LIME TREATMENT

Lime treatment shall conform to the requirements of Section 24 of the Caltrans Standard Specifications and these City Standard Specifications.

24-1.04 Mixing. - Mixing lime shall be added to the material to be treated at the rate of 3 to 7 percent of lime by weight of dry material. Lime slurry shall not be used.

24-1.05 Spreading and Compacting. - The finished thickness of the lime treated material shall not vary more than 0.05-foot from the thickness shown on the plans at any point. The finished surface shall not vary from the planned grade more than 0.02-foot for base grade when tested with a 12-foot straight edge applied parallel with and at right angles to the center line or base of the section.

Unless otherwise specified the lime-treated base shall be constructed on a Class 'A' Subgrade. If approved by the Engineer, the Class 'A' Subgrade may be waived, when at the Contractors expense, the thickness of the lime-treated base section is increased a minimum of 3" from the originally specified lime-treated base section.

When California Test Method 216 Part II is used to determine the relative compaction, the sample of lime-treated soil used to determine the maximum wet density will be taken during all initial and final compaction testing with California Test Method 231, or as directed by the Engineer.

The lime-treated soil shall be compacted to a relative compaction of not less than 95%. At the option of the Engineer the relative compaction may be reduced to 93% if the lime content is increased by 0.5%, at the Contractor's expense.

Initial compaction shall begin within 24 hours of final mixing, unless otherwise permitted by the Engineer.

Trimings will not be used to fill low grade locations, or be used for other items of work, unless as permitted by the Engineer. Submittals to the Engineer shall include proposed methods of handling, and tests results conducted by an independent laboratory showing conformance with the project specifications, and all design test requirements.

Delete Paragraph 5 in Section 24-1.05 of the Caltrans Standard Specifications.

24.1.06 Curing. - In keeping the lime treated material moist, it shall be sprinkled, not flooded. If washing away of the lime is evident as tested by phenolphthalein, additional lime and remixing of the top 6" of the section will be required to compensate for the washout.

24-1.07 Measurement. - Lime treatment will be paid for based on square yardage. Lime quantity for treatment will be included in this bid item, unless otherwise provided.

When separate payment for lime is specified, it will be measured by the ton in accordance with the provisions in Section 24, "Measurement of Quantities," except that if the minimum relative compaction is reduced to 93 percent, the quantity of lime to be paid for will be the weight of lime used multiplied by the

factor $L/(L+.5)$ where L equals the percent of lime ordered by the Engineer as shown in the schedule of quantities for the project.